

COPY OF PAPERS
ORIGINALLY FILED

DATE CANCELLED

PTO/SB/01 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☐ Declaration
Submitted
with Initial
Filing

OR

☒ Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket Number	800.0046
First Named Inventor	Pechanek
COMPLETE IF KNOWN	
Application Number	10/004,010
Filing Date	11/1/2001
Group Art Unit	2121
Examiner Name	

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Methods and Apparatus for Efficient Complex Long Multiplication and Covariance Matrix Implementation

(Title of the Invention)

the specification of which

☐

is attached hereto

OR

☒

was filed on (MM/DD/YYYY)

11/01/2001

as United States Application Number or PCT International

Application Number 10/004,010 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patent, Washington, DC 20231.

Under the Paperwork Reduction Project, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/01 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

DECLARATION – Utility or Design Patent ApplicationDirect all correspondence to: ☒ Customer Number or Bar Code Label ☐ OR ☐ Correspondence address below

Name

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:☐ A petition has been filed for this unsigned inventor

Given Name

(first and middle [if any]) Gerald G.

Family Name

or Surname Pechanek

Inventor's
Signature*Gerald G. Pechanek*

Date 1/11/2002

Residence: City Cary

State NC

Country US

Citizenship US

Mailing Address 107 Stoneleigh Drive

City Cary

State NC

ZIP 27511

Country US

NAME OF SECOND INVENTOR:☐ A petition has been filed for this unsigned inventor

Given Name

(first and middle [if any]) Ricardo

Family Name

or Surname Rodriguez

Inventor's
Signature*Ricardo E. Rodriguez*

Date 1/31/02

Residence: City Raleigh

State NC

Country US

Citizenship US

Mailing Address 9116 Erinsbrook Drive

City Raleigh

State NC

ZIP 27613

Country US

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

COPY OF PAPERS
ORIGINALLY FILED

Please type a plus sign (+) inside this box →

PTO/SB/02A (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION

ADDITIONAL INVENTOR(S)

Supplemental Sheet

Page ____ of ____

Name of Additional Joint Inventor, if any:

☐

A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])

Family Name or Surname

Matthew

Plonski

Inventor's
Signature

Matthew K Plonski

Date *3/20/02*

Residence: City Morrisville

State NC

Country US

Citizenship US

Mailing Address 1123 Bondhu Place

Mailing Address

City Morrisville

State NC

ZIP 27560

Country US

Name of Additional Joint Inventor, if any:

☐

A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])

Family Name or Surname

David

Strube

Inventor's
Signature

David Strube

Date *1/11/2002*

Residence: City Raleigh

State NC

Country US

Citizenship US

Mailing Address 2621 Bembridge Drive

Mailing Address

City Raleigh

State NC

ZIP 27613

Country US

Name of Additional Joint Inventor, if any:

☐

A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])

Family Name or Surname

Kevin

Coopman

Inventor's
Signature

Date

Residence: City Redwood City

State CA

Country US

Citizenship US

Mailing Address 597 Teredo Drive

Mailing Address

City Redwood City

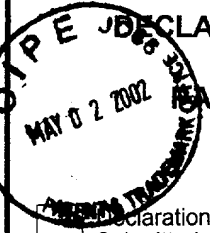
State CA

ZIP 94065

Country US

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

 DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)	<input type="checkbox"/> Declaration Submitted with Initial Filing	OR	<input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	800.0046
				First Named Inventor	Pechanek
				COMPLETE IF KNOWN	
				Application Number	10/004,010
				Filing Date	11/1/2001
			Group Art Unit	2121	
			Examiner Name		

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Methods and Apparatus for Efficient Complex Long Multiplication and Covariance Matrix Implementation

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 11/01/2001 as United States Application Number or PCT International

Application Number 10/004,010 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patent, Washington, DC 20231.

DECLARATION – Utility or Design Patent Application

Direct all correspondence to: ☒ Customer Number OR ☐ Correspondence address below

Name

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name
(first and middle [if any]) Gerald G.

Family Name
or Surname Pechanek

Inventor's
Signature

Gerald G. Pechanek

Date 1/11/2002

Residence: City Cary

State NC

Country US

Citizenship US

Mailing Address 107 Stoneleigh Drive

City Cary

State NC

ZIP 27511

Country US

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name
(first and middle [if any]) Ricardo

Family Name
or Surname Rodriguez

Inventor's
Signature

Ricardo E. Rodriguez

Date 1/31/02

Residence: City Raleigh

State NC

Country US

Citizenship US

Mailing Address 9116 Erinsbrook Drive

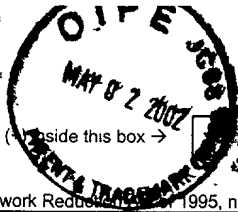
City Raleigh

State NC

ZIP 27613

Country US

☒ Additional inventors are being named on the ___ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.



COPY OF PAPERS
ORIGINALLY FILED

Please type a plus sign (+) inside this box →

MAIL DATE CANCELLED

PTO/SB/02A (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet

Page ____ of ____.

Name of Additional Joint Inventor, if any:

☐

A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])

Family Name or Surname

Matthew

Plonski

Inventor's
Signature

Date

Residence: City Morrisville

State NC

Country US

Citizenship US

Mailing Address 1123 Bondhu Place

Mailing Address

City Morrisville

State NC

ZIP 27560

Country US

Name of Additional Joint Inventor, if any:

☐

A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])

Family Name or Surname

David

Strube

Inventor's
Signature

David Strube

Date

1/11/2002

Residence: City Raleigh

State NC

Country US

Citizenship US

Mailing Address 2621 Bembridge Drive

Mailing Address

City Raleigh

State NC

ZIP 27613

Country US

Name of Additional Joint Inventor, if any:

☐

A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])

Family Name or Surname

Kevin

Coopman

Inventor's
Signature

Kevin Coopman

Date

April 13 2002

Residence: City Redwood City

State CA

Country US

Citizenship US

Mailing Address 597 Teredo Drive

Mailing Address

City Redwood City

State CA

ZIP 94065

Country US

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.